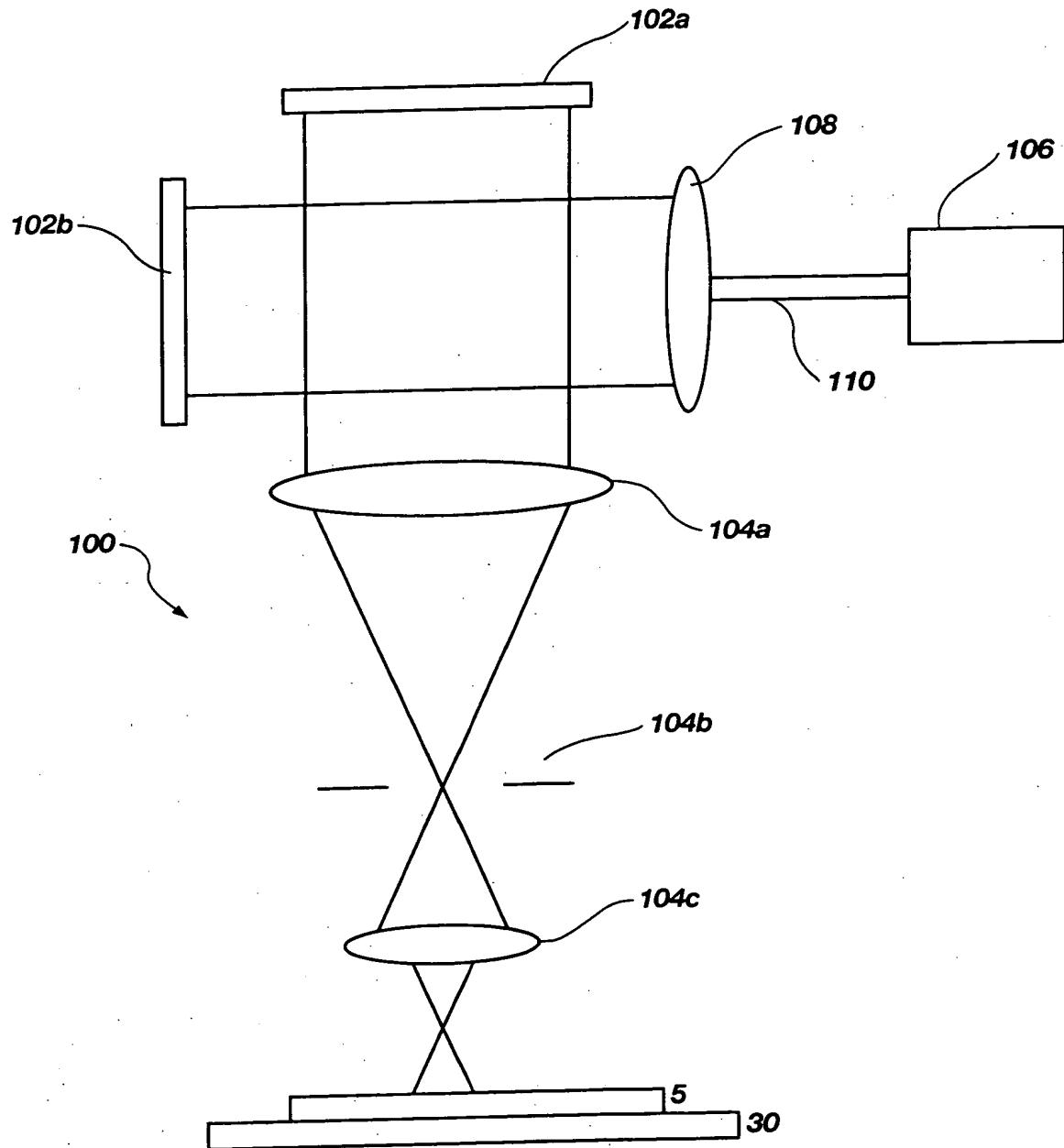
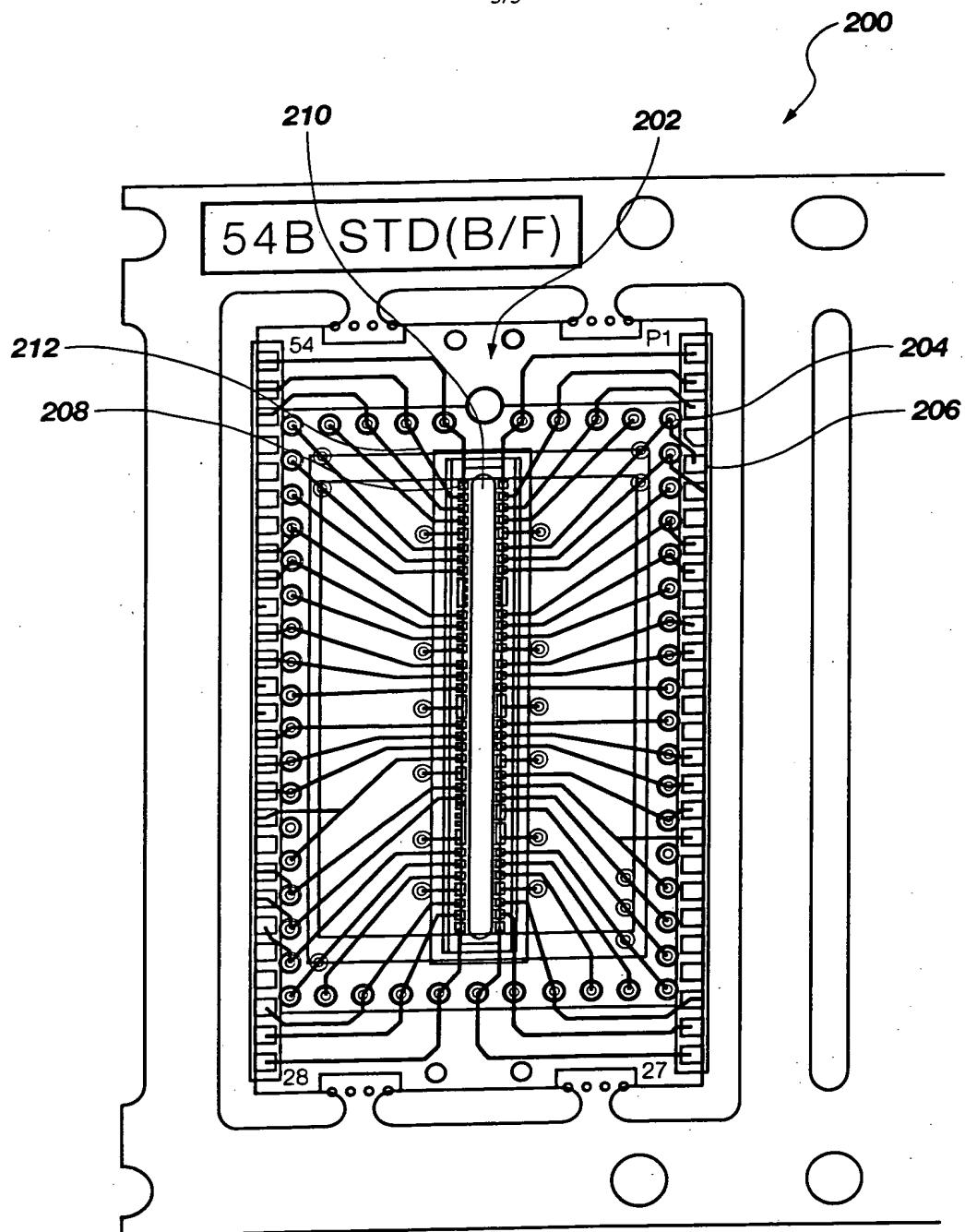


**Fig. 1**



**Fig. 2**

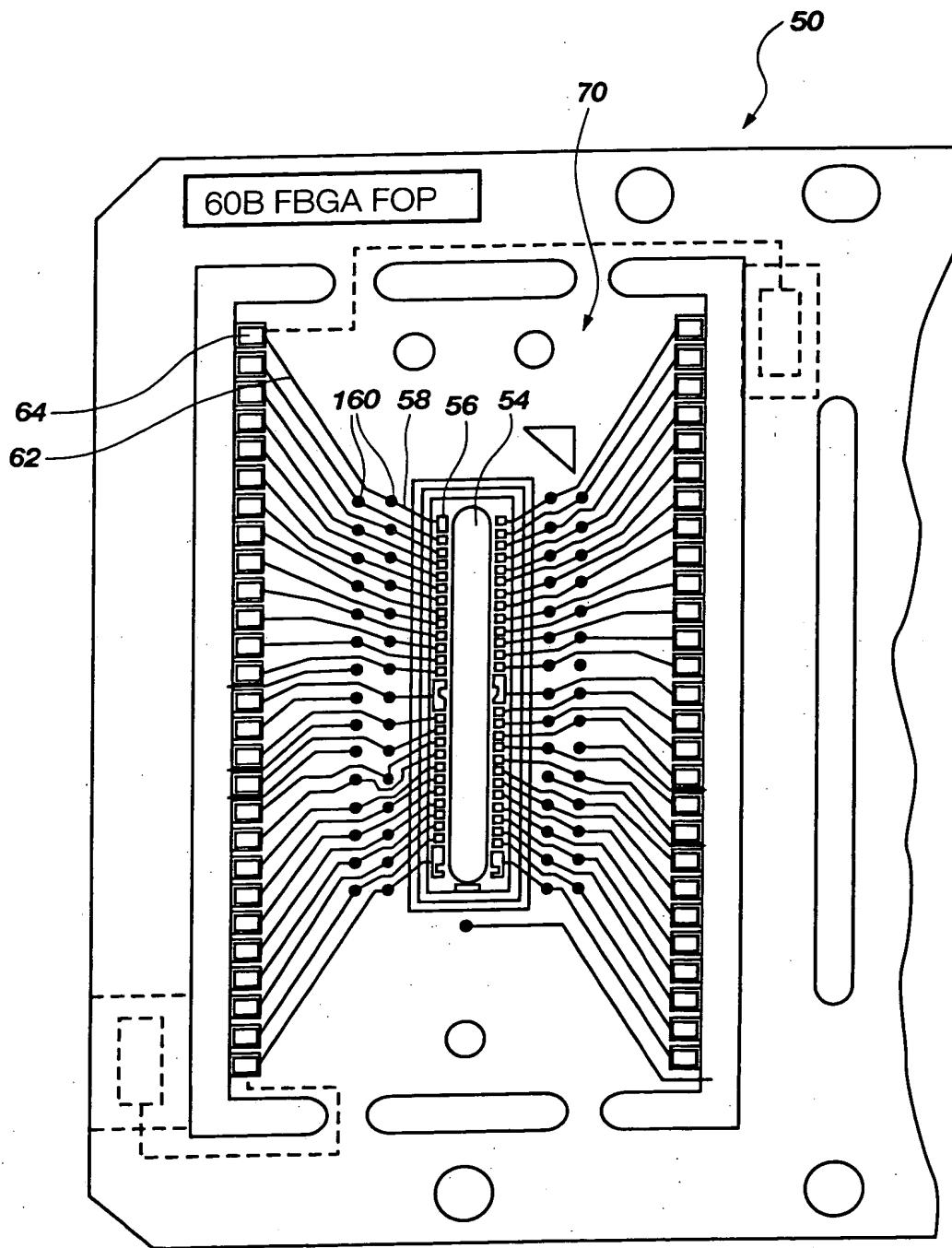
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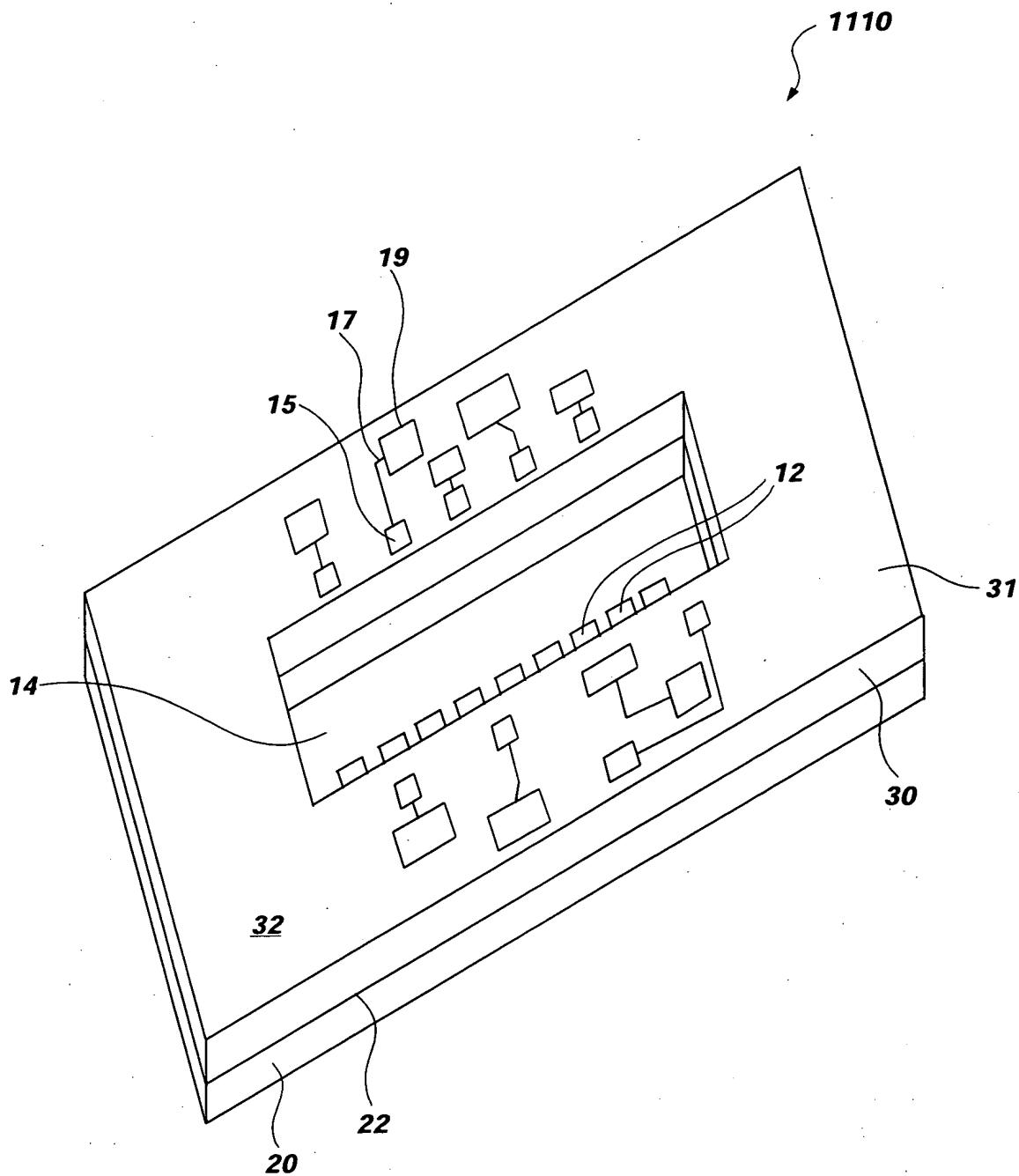
**Fig. 3**

TITLE: METHODS FOR PREPARING BALL GRID ARRAY  
SUBSTRATES VIA USE OF A LASER  
Inventor: Frank L. Hall  
Docket No.: 4718.3US

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***Fig. 4***



**Fig. 5**